

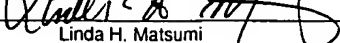
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By: 
Linda H. Matsumi



PATENT

Customer No. 22,852

Attorney Docket No. 07705.0001-01000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
)	
Brian ZAMBROWICZ et al.)	Group Art Unit: 1632
)	
Application No.: 10/797,613)	Examiner: Shin Lin CHEN
)	
Filed: March 9, 2004)	
)	
For: VECTORS FOR GENE)	Confirmation No. 3971
MUTAGENESIS AND GENE)	
DISCOVERY)	

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(c)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicants bring to the attention of the Examiner the documents listed on the attached IDS Form PTO/SB/08. This Information Disclosure Statement is being filed after the events recited in Section 1.97(b) but, to the undersigned's knowledge, before the mailing date of a Final Office Action, a Notice of Allowance, or an action that otherwise closes prosecution. Under the provisions of 37 C.F.R. § 1.97(c), this Information Disclosure Statement is accompanied by a fee of \$180.00 as specified by Section 1.17(p).

Copies of the listed documents are enclosed.

01/23/2007 SSITHIB1 00000097 10797613

02 FC:1806

180.00 0p

Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

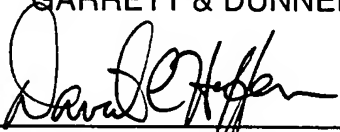
Applicants further reserve the right to take appropriate action to establish the patentability of the claimed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: January 18, 2007

By: 

David C. Hoffman
Reg. No. 59,821
Customer No. 22,852



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By: _____

Linda H. Matsumi

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known		
		Application Number	10/797,613	
		Filing Date	March 9, 2004	
		First Named Inventor	Brian ZAMBROWICZ et al.	
		Art Unit	1632	
		Examiner Name	Shin Lin CHEN	
Sheet	1	4	Attorney Docket Number	07705.0001-01000

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code (if known)	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation
		KAYE et al., "A single amino acid substitution results in a retinoblastoma protein defective in phosphorylation and oncoprotein binding," <i>Proc. Natl. Acad. Sci. USA</i> 87:6922-6926 (1990).	
		MEDICO et al., "A gene trap vector system for identifying transcriptionally responsive genes," <i>Nature Biotechnol.</i> 19:579-582 (2001).	
		MERCIER et al., "The modification of milk protein composition through transgenesis: progress and problems," in <i>Transgenic animals: generation and use</i> , Harwood Academic Publishers, The Netherlands, pp. 473-482 (1997).	
		RUDINGER, "Characteristics of the amino acids as components of a peptide hormone sequence," in <i>Peptide Hormones</i> , University Park Press, Baltimore, MD, USA, pp. 1-7 (1976).	
		SKOLNICK et al., "From genes to protein structure and function: novel applications of computational approaches in the genomic era," <i>Trends Biotechnol.</i> , 18:34-39 (2000).	
		STROJEK et al., "The use of transgenic animal techniques for livestock improvement," <i>Genet. Eng.</i> 10:221-246 (1988).	
		WALL, "Transgenic livestock: progress and prospects for the future," <i>Theriogenol.</i> 45:57-68 (1996).	
		Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration, mailed February 14, 2005, for Application No. PCT/US2004/028818, filed September 30, 2004.	

OTHER DOCUMENTS (from U.S. Application No. 09/443,282, filed November 19, 1999)			
		Office Action mailed October 16, 2000 (from U.S. Application No. 09/443,282, filed November 19, 1999).	
		Amendment Under 37 C.F.R. § 1.115 dated March 16, 2001 (from U.S. Application No. 09/443,282, filed November 19, 1999).	
		Final Office Action mailed June 1, 2001 (from U.S. Application No. 09/443,282, filed November 19, 1999).	
		Interview Summary mailed June 5, 2002 (from U.S. Application No. 09/443,282, filed November 19, 1999).	
		Response dated July 1, 2002 (from U.S. Application No. 09/443,282, filed November 19, 1999).	
		Office Action mailed November 15, 2002 (from U.S. Application No. 09/443,282, filed November 19, 1999).	
		Amendment Under 37 C.F.R. § 1.111 dated February 13, 2003 (from U.S. Application No. 09/443,282, filed November 19, 1999).	

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known		
		Application Number	10/797,613	
		Filing Date	March 9, 2004	
		First Named Inventor	Brian ZAMBROWICZ et al.	
		Art Unit	1632	
		Examiner Name	Shin Lin CHEN	
Sheet	2	4	Attorney Docket Number	07705.0001-01000

	Final Office Action mailed May 2, 2003 (from U.S. Application No. 09/443,282, filed November 19, 1999).	
	Amendment and Response dated August 4, 2003 (from U.S. Application No. 09/443,282, filed November 19, 1999).	
	Notice of Allowance and Notice of Allowability mailed October 17, 2003 (from U.S. Application No. 09/443,282, filed November 19, 1999).	
	Interview Summary mailed October 31, 2003 (from U.S. Application No. 09/443,282, filed November 19, 1999).	
	Applicant Statement of Interview Summary dated November 21, 2003 (from U.S. Application No. 09/443,282, filed November 19, 1999).	

OTHER DOCUMENTS (from U.S. Application No. 08/726,867, filed October 4, 1996)		
	Office Action mailed October 1, 1997 (from U.S. Application No. 08/726,867, filed October 4, 1996).	
	Amendment and Response Under 37 C.F.R. § 1.143 (Restriction Requirement) dated October 31, 1997 (from U.S. Application No. 08/726,867, filed October 4, 1996).	
	Office Action mailed February 3, 1998 (from U.S. Application No. 08/726,867, filed October 4, 1996).	
	Amendment and Response Under 37 C.F.R. § 1.111 dated August 3, 1998 (from U.S. Application No. 08/726,867, filed October 4, 1996).	
	Office Action and Interview Summary mailed October 27, 1998 (from U.S. Application No. 08/726,867, filed October 4, 1996).	
	Amendment and Response Under 37 C.F.R. § 1.111 dated March 29, 1999 (from U.S. Application No. 08/726,867, filed October 4, 1996).	
	Office Action mailed June 16, 1999 (from U.S. Application No. 08/726,867, filed October 4, 1996).	
	Response to Office Action dated December 16, 1999 (from U.S. Application No. 08/726,867, filed October 4, 1996).	
	Final Office Action mailed March 15, 2000 (from U.S. Application No. 08/726,867, filed October 4, 1996).	
	Amendment dated March 15, 2000 (from U.S. Application No. 08/726,867, filed October 4, 1996).	
	Amendment dated March 22, 2000 (from U.S. Application No. 08/726,867, filed October 4, 1996).	
	Amendment dated April 12, 2000 (from U.S. Application No. 08/726,867, filed October 4, 1996).	
	Notice of Allowance, Notice of Allowability, and Interview Summary mailed April 25, 2000 (from U.S. Application No. 08/726,867, filed October 4, 1996).	

OTHER DOCUMENTS (from U.S. Application No. 08/942,806, filed October 2, 1997)		
	Office Action and Interview Summary dated September 28, 1998 (from U.S. Application No. 08/942,806, filed October 2, 1997).	
	Amendment and Response Under 37 C.F.R. § 1.111 dated March 26, 1999 (from U.S. Application No. 08/942,806, filed October 2, 1997).	
	Office Action mailed June 9, 1999 (from U.S. Application No. 08/942,806, filed October 2, 1997).	
	Response to Office Action dated December 9, 1999 (from U.S. Application No. 08/942,806, filed October 2, 1997).	
	Final Office Action mailed February 29, 2000 (from U.S. Application No. 08/942,806, filed October 2, 1997).	
	Response to Final Office Action dated March 20, 2000 (from U.S. Application No. 08/942,806, filed October 2, 1997).	
	Second Response to Final Office Action dated March 22, 2000 (from U.S. Application No. 08/942,806, filed October 2, 1997).	
	Third Response to Final Office Action dated April 12, 2000 (from U.S. Application No. 08/942,806, filed October 2, 1997).	
	Notice of Allowance, Notice of Allowability, and Interview Summary mailed April 25, 2000 (from U.S. Application No. 08/942,806, filed October 2, 1997).	

OTHER DOCUMENTS (from U.S. Application No. 10/917,273, filed August 11, 2004)		
	Office Action mailed October 4, 2006 (from U.S. Application No. 10/917,273, filed August 11, 2004).	

IDS Form PTO/SB/08: Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/797,613
		Filing Date	March 9, 2004
		First Named Inventor	Brian ZAMBROWICZ et al.
		Art Unit	1632
		Examiner Name	Shin Lin CHEN
		Attorney Docket Number	07705.0001-01000
Sheet	3	4	

	Response to Office Action (Restriction Requirement) dated November 3, 2006 (from U.S. Application No. 10/917,273, filed August 11, 2004).	
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OTHER DOCUMENTS (from U.S. Application No. 08/728,963, filed October 11, 1996)		
	Office Action mailed May 11, 1999 (from U.S. Application No. 08/728,963, filed October 11, 1996).	
	Amendment and Response Under 37 C.F.R. § 1.111 dated November 3, 1999 (from U.S. Application No. 08/728,963, filed October 11, 1996).	
	Final Office Action mailed January 20, 2000 (from U.S. Application No. 08/728,963, filed October 11, 1996).	
	Amendment After Final dated December 20, 2000 (from U.S. Application No. 08/728,963, filed October 11, 1996).	
	Advisory Action mailed January 9, 2001 (from U.S. Application No. 08/728,963, filed October 11, 1996).	
	Office Action and Interview Summary mailed May 8, 2001 (from U.S. Application No. 08/728,963, filed October 11, 1996).	
	Response dated November 8, 2001 (from U.S. Application No. 08/728,963, filed October 11, 1996).	
	Final Office Action mailed February 15, 2002 (from U.S. Application No. 08/728,963, filed October 11, 1996).	
	Amendment Under 37 C.F.R. § 1.116 dated September 23, 2002 (from U.S. Application No. 08/728,963, filed October 11, 1996).	
	Advisory Action mailed October 17, 2002 (from U.S. Application No. 08/728,963, filed October 11, 1996).	
	Final Office Action mailed November 4, 2002 (from U.S. Application No. 08/728,963, filed October 11, 1996)	

OTHER DOCUMENTS (from U.S. Application No. 10/359,033, filed February 4, 2003)		
	Amendment and Response dated May 13, 2005 (from U.S. Application No. 10/359,033, filed February 4, 2003).	
	Final Office Action mailed July 27, 2005 (from U.S. Application No. 10/359,033, filed February 4, 2003).	
	Response dated January 26, 2006 (from U.S. Application No. 10/359,033, filed February 4, 2003).	
	Pre-Appeal Brief Request for Review dated January 26, 2006 (from U.S. Application No. 10/359,033, filed February 4, 2003).	
	Notice of Panel Decision from Pre-Appeal Brief Review mailed February 15, 2006 (from U.S. Application No. 10/359,033, filed February 4, 2003).	
	Notice of Panel Decision from Pre-Appeal Brief Review mailed February 15, 2006 (from U.S. Application No. 10/359,033, filed February 4, 2003).	
	Notice of Panel Decision from Pre-Appeal Brief Review mailed February 16, 2006 (from U.S. Application No. 10/359,033, filed February 4, 2003).	
	Advisory Action Before the Filing of an Appeal Brief mailed February 16, 2006 (from U.S. Application No. 10/359,033, filed February 4, 2003).	
	Amendment and Response dated May 18, 2006 (from U.S. Application No. 10/359,033, filed February 4, 2003).	
	Advisory Action Before the Filing of an Appeal Brief mailed August 7, 2006 (from U.S. Application No. 10/359,033, filed February 4, 2003).	
	Office Action mailed September 21, 2006 (from U.S. Application No. 10/359,033, filed February 4, 2003).	

OTHER DOCUMENTS (from U.S. Application No. 08/907,598, filed August 8, 1997)		
	Office Action mailed November 2, 1998 (from U.S. Application No. 08/907,598, filed August 8, 1997).	
	Response to Restriction Requirement and Request for Reconsideration Under 37 C.F.R. § 1.143 dated December 1, 1998 (from U.S. Application No. 08/907,598, filed August 8, 1997).	
	Office Action mailed March 3, 1999 (from U.S. Application No. 08/907,598, filed August 8, 1997).	
	Amendment and Response Under 37 C.F.R. § 1.111 dated September 3, 1999 (from U.S. Application No. 08/907,598, filed August 8, 1997).	
	Final Office Action mailed November 8, 1999 (from U.S. Application No. 08/907,598, filed August 8, 1997).	
	Response to Final Office Action dated May 5, 2000 (from U.S. Application No. 08/907,598, filed August 8, 1997).	
	Notice of Allowance, Notice of Allowability, and Interview Summary mailed June 5, 2000 (from U.S. Application No. 08/907,598, filed August 8, 1997).	

IDS Form PTO/SB/08: Substitute for form 1449A/PTO		Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/797,613	
		Filing Date	March 9, 2004	
		First Named Inventor	Brian ZAMBROWICZ et al.	
		Art Unit	1632	
		Examiner Name	Shin Lin CHEN	
Sheet	4	4	Attorney Docket Number	07705.0001-01000

OTHER DOCUMENTS (from U.S. Application No. 09/057,328, filed April 8, 1998)		
	Office Action mailed March 25, 1999 (from U.S. Application No. 09/057,328, filed April 8, 1998).	
	Interview Summary mailed July 8, 1999 (from U.S. Application No. 09/057,328, filed April 8, 1998).	
	Amendment and Response Under 37 C.F.R. § 1.111 dated August 25, 1999 (from U.S. Application No. 09/057,328, filed April 8, 1998).	
	Amendment and Response Under 37 C.F.R. § 1.111 dated September 29, 1999 (from U.S. Application No. 09/057,328, filed April 8, 1998).	
	Notice of Allowance, Notice of Allowability, and Interview Summary mailed October 4, 1999 (from U.S. Application No. 09/057,328, filed April 8, 1998).	
	Official Communication mailed March 11, 2003 (from U.S. Application No. 09/057,328, filed April 8, 1998).	

OTHER DOCUMENTS (from U.S. Application No. 09/276,533, filed March 25, 1999)		
	Office Action mailed July 26, 2000 (from U.S. Application No. 09/276,533, filed March 25, 1999).	
	Amendment Under 37 C.F.R. § 1.115 dated January 26, 2001 (from U.S. Application No. 09/276,533, filed March 25, 1999).	
	Final Office Action mailed April 19, 2001 (from U.S. Application No. 09/276,533, filed March 25, 1999).	
	Amendment Under 37 C.F.R. § 1.116 dated November 6, 2001 (from U.S. Application No. 09/276,533, filed March 25, 1999).	
	Supplemental Amendment Under 37 C.F.R. 1.116 dated February 1, 2002 (from U.S. Application No. 09/276,533, filed March 25, 1999).	
	Second Supplemental Amendment Under 37 C.F.R. § 1.116 dated February 26, 2002 (from U.S. Application No. 09/276,533, filed March 25, 1999).	
	Notice of Allowance, Notice of Allowability, and Interview Summary mailed March 15, 2002 (from U.S. Application No. 09/276,533, filed March 25, 1999).	

OTHER DOCUMENTS (from U.S. Application No. 10/158,735, filed May 29, 2002)		
	Office Action mailed October 30, 2003 (from U.S. Application No. 10/158,735, filed May 29, 2002).	
	Amendment and Response dated January 12, 2004 (from U.S. Application No. 10/158,735, filed May 29, 2002).	
	Notice of Allowance and Notice of Allowability mailed April 2, 2004 (from U.S. Application No. 10/158,735, filed May 29, 2002).	

OTHER DOCUMENTS (from U.S. Application No. 10/916,782, filed August 11, 2004)		
	Office Action mailed July 10, 2006 (from U.S. Application No. 10/916,782, filed August 11, 2004).	
	Response dated September 15, 2006 (from U.S. Application No. 10/916,782, filed August 11, 2004).	
	Office Action mailed October 17, 2006 (from U.S. Application No. 10/916,782, filed August 11, 2004).	

OTHER DOCUMENTS (from U.S. Application No. 10/954,645, filed September 30, 2004)		
	Office Action dated September 11, 2006 (from U.S. Application No. 10/954,645, filed September 30, 2004).	
	Response dated October 11, 2006 (from U.S. Application No. 10/954,645, filed September 30, 2004).	

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Transgenesis by means of Blastocyst-Derived Embryonic Stem Cell Lines

Achim Gossler, Thomas Doetschman, Reinhard Korn, Edgar Serfling, and Rolf Kemler

PNAS 1986;83:9065-9069
doi:10.1073/pnas.83.23.9065

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